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Claims

[1]	A sump of a dishwasher having a plurality of nozzles for spraying washing
	water, the sump comprising:
	a sump case for storing the washing water;
	a sump cover covering the sump case;
	a self-cleaning filter installed on the sump cover to filter foreign objects
	contained in the washing water stored in the sump case;
	a washing pump for pumping out the washing water stored in the sump case;
	a pump lower receiving the washing pump and providing a soil chamber in
	which the foreign objects contained in the washing water are accumulated;
	a washing motor installed on the sump case to drive the washing pump;
	a drain pump installed on the sump case to drain the washing water; and
	a drain motor for driving the drain pump.
[2]	The sump according to claim 1, further comprising a fluid passage guide
	installed on the sump cover to guide the flow of the washing water pumped out
	by the washing pump.
[3]	The sump according to claim 1, further comprising a disposer for grinding the
	foreign objects by rotating by the washing motor.
[4]	The sump according to claim 1, further comprising a screen filter installed on the
	pump lower to filter foreign objects contained in the washing water flowing
	toward the washing pump.
[5]	The sump according to claim 1, further comprising a vario valve installed on the
	sump case to dispense the washing water pumped out from the washing pump to
	the plurality of nozzles.
[6]	The sump according to claim 5, further comprising a driving motor for driving
	the vario valve, a cam rotating by the driving motor, and a micro switch for
	detecting the rotation of the cam.
[7]	The sump according to claim 1, further comprising a turbidity sensor for
	detecting a pollution level of the washing water.
[8]	The sump according to claim 1, further comprising a heater installed on the sump
	case to heat the washing water.
[9]	The sump according to claim 1, further comprising a sealing member installed on
	a shaft of the washing motor.
[10]	The sump according to claim 1, further comprising a sealing member disposed

	along an outer circumference of the washing pump.
[11]	The sump according to claim 1, further comprising a lower nozzle holder
	installed on the sump cover to connect the nozzles to the sump cover.
[12]	The sump according to claim 11, where the sump cover is provided with a leaked
	water collecting chamber for collecting the washing water leaking at a
	connection with the nozzle holder and a water drain hole for returning the
	washing water collected in the leaked water collecting chamber into the sump
	case.
[13]	The sump according to claim 1, further comprising a nozzle holder installed on
	the self-cleaning filter to guide the washing water to the nozzles.
[14]	A sump of a dishwasher having a plurality of nozzles for spraying washing
	water, the sump comprising:
	a sump case;
	a self-cleaning filter for filtering foreign objects contained in the washing water
	stored in the sump case;
	a sump cover coupled to the self-cleaning filter and provided with a return hole
	through which the washing water flowing backward through the self-cleaning
	filter is returned to the sump case;
	a pump unit for pumping out the washing water stored in the sump case;
	a guide member for guiding the flow of the washing water pumped by the pump
	unit; and
	a drain unit for draining the washing water.
[15]	The sump according to claim 14, wherein the sump cover has a backflow hole
	through which the washing water flowing backward to the self-cleaning filter
	passes and a leaked water collecting layer on which the foreign objects contained
	in the washing water passing through the backflow hole are accumulated.
[16]	The sump according to claim 14, where the sump cover is provided with a leaked
	water collecting rib for collecting leaked water pumped out from the pumping
	unit to flow to the nozzles.
[17]	A sump of a dishwasher having a plurality of nozzles for spraying washing
	water, the sump comprising:
	a sump case;
	a sump cover covering the sump case;
	a fluid passage guide installed on the sump cover to guide the flow of the
	washing pump;

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- a pump lower receiving a pumping unit and providing a soil chamber in which the foreign objects contained in the washing water are accumulated; a dispensing unit for dispensing washing water pumped out from the pumping unit to the nozzles;
- a turbidity sensor for detecting a pollution level of the washing water; and a washing motor for driving the pumping unit.
- [18] The sump according to claim 17, wherein the pumping unit comprises an impeller connected to the washing motor to suck the washing water and a pump case for directing the washing water sucked by the impeller to the dispensing unit.
- [19] The sump according to claim 17, wherein the pump lower is provided with a seating groove on which a sealing member seats.
- [20] The sump according to claim 17, wherein the pump lower is provided with a washing water introducing hole through which the washing water is introduced from the pumping unit.